

CITY OF BURBANK

SENIOR WATER PLANT MECHANIC

DEFINITION

Under direction, to lead and perform skilled mechanical work in the installation, operation, maintenance, and repair of mechanical equipment of domestic water production, treatment and distribution facilities; and a reclaimed water distribution system; and to do related work as required.

ESSENTIAL FUNCTIONS

Directs and trains Water Plant Mechanics; installs, operates, repairs, maintains, lubricates, and tests deep wells, booster pumps, chemical feeders, hydraulic gates, valves, motors, internal combustion engines, measuring and control systems, and related water equipment and machinery; regulates gates and pressure regulators to adjust flows and levels of water; sets and aligns motors, engines, gearheads, and shafts; repacks shaft seals and replaces bearings; makes operating adjustments to lubricate and maintain pumps excluding motors; conducts a preventative maintenance program for water system equipment and machinery; requisitions materials; assists in scheduling mechanical work; disinfects water systems and facilities; transports hazardous materials relevant to the water industry; takes water quality samples; prepares reports and maintains records of maintenance and operation activities; makes minor repairs to buildings and structures; makes inspections and patrols water system facilities; leads and trains employees; implements safety procedures and standards; performs the function of a Water Plant Operator as required on a relief basis; may respond to and lead emergency repairs; may be on a 24-hour call; may work in inclement weather conditions; drives on City business.

MINIMUM QUALIFICATIONS

Employment Standards:

- Knowledge of – basic mechanical, mathematical, hydraulic principles of a water system; elementary electrical knowledge; methods, equipment, materials and terminology used in the operation and maintenance of water system facilities and equipment; water system facility disinfection requirements, methods, procedures, and materials; safety rules, laws, and regulations relative to the maintenance of water and reclaimed facilities.
- Ability to – make and perform efficiency testing of pumps and motors; read, interpret, and follow engineered drawings and blueprints; comprehend both oral and written instructions and carry out assignments as directed; make and maintain accurate written records; operate assigned office equipment; monitors, interprets and adjusts a computerized Supervisory Control and Data Acquisition System (SCADA); utilize self-contained breathing apparatus and related application equipment; establish and maintain effective working relationships with supervisors, fellow employees, and the public.

Education/Training: Two years recent experience in the operation, maintenance, or construction work in a water utility.

Special Conditions & Requirements: Employees in this classification, who are required by applicable laws and regulations to have respiratory protection, shall comply with the American National Standards Institute's requirements on Practices for Respiratory Protection; Title 8 CCR 5144. Work in confined spaces; some exposure to dust, noise, fumes, and chemicals used for the treatment of potable and reclaimed water; some heavy lifting up to sixty pounds.

License & Certificates: A valid California Class "A" driver's license or equivalent at time of appointment and hazardous material endorsement at the time of permanent appointment. Grade II Water Treatment Operator's Certificate issued by the State of California Department of Health at time of appointment. A valid Grade I Water Distribution Certificate issued by the California/Nevada section of the American Water Works Association is required at time of appointment; Grade II within two years of appointment.

SUPPLEMENTAL INFORMATION

None.